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Notified laboratory 1015

Page 1 / 7

Assessment of Performance Report

1015-AoP-30-17685/TZ

Product: Cooker for wood

Product-type: ROCCO

Version: ---

Customer: TIM SISTEM d.o.o.
ul. Prva industrijska br. 9
22330 Nova Pazova
SERBIA

Manufacturer: TIM SISTEM d.o.o.
ul. Prva industrijska br. 9
22330 Nova Pazova
SERBIA

Date of report issue: 2025-04-03

Distribution list: 1x SZÚ, s.p.
1x Customer

Assessment and verification of constancy of performance of construction products in relation to their essential characteristics in accordance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC (the Construction Products Regulation or CPR).

In connection with harmonized standard EN 16510-2-3:2022 tab. ZA.2 annex ZA the product mentioned below is governed by the System 3. Systems of assessment of constancy of performance are listed in Annex V of CPR.

System of assessment and verification of constancy of performance applied: CPR, system 3.

The notified laboratory in accordance with point 1.4.(b) shall assess the performance on the basis of testing (based on sampling carried out by the manufacturer), calculation, tabulated values or descriptive documentation of the construction product.

For the purposes of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this Assessment of Performance Report under AVCP system 3 applies to the:

I. Construction product

Tested product - type designation **ROCCO** is designed for combustion of solid fuel (wood) in periodic batches and is intended for cooking in households and heating of the space where it is installed. The appliance may be connected to a chimney from the top. The appliance is equipped with a grate. Combustion air is regulated by means of a star-shaped air inlet in the front door of the ash-pan. By turning the handle of the air inlet, air inlet can be continuously regulated, thereby affecting the rate of fuel combustion (performance of the appliance). The plate above the combustion chamber is designed for cooking. This appliance is intended for intermittent operation

A detailed description is given in the operating and installation instructions.

- placed on the market under the name or trademark of:

TIM SISTEM d.o.o.
 ul. Prva industrijska br. 9
 22330 Nova Pazova
 SERBIA

Basic technical specifications of product:							
Type	Main dimensions (mm)			Nominal heat output (kW)	Fuel consumption (kg/h) Wood	Diameter of flue gas connector (mm)	Operating draught (Pa)
	Height	Width	Depth				
ROCCO	893.5	900	701	9.9	2.7	119	12

II. List of submitted documentation

Serial number	Submitted documentation
1	Instructions for installation and operation (ROCCO)
2	Technical drawing: ROCCO – Oven assembly; ROCCO; Firebox assembly
3	Manufacturer's declaration of tested products 2025-03-13

The documentation is sufficient for the system of assessment and verification of constancy of performance applied.

III. Assessment of the performance on the basis of testing (based on sampling carried out by the manufacturer)

- point 1.4.(b) system 3 Annex V of CPR and Annex ZA tab. ZA.1, EN 16510-2-3:2022

Essential characteristics		Requirement clauses in this harmonized standard	Document
1 Mechanical resistance and stability			
-	-	-	-
2 Safety in case of fire			
2.1	Protection of combustible materials	EN 16510-2-3:2022, Art. 4.1	30-17685/T
3 Hygiene, health and the environment			
3.1	At nominal heat output:		
3.1.1	Carbon monoxide emission (CO)	EN 16510-2-3:2022, Art. 4.2	30-17685/T
3.1.2	Nitrogen oxides (NOx) emissions	EN 16510-2-3:2022, Art. 4.3	30-17685/T
3.1.3	Emission of organic gaseous carbon (OGC)	EN 16510-2-3:2022, Art. 4.4	30-17685/T
3.1.4	Particulate matter emissions (PM)	EN 16510-2-3:2022, Art. 4.5	30-17685/T
3.2	At part load heat output:		
3.2.1	Carbon monoxide emission (CO)	EN 16510-2-3:2022, Art. 4.2	-
3.2.2	Nitrogen oxides (NOx) emissions	EN 16510-2-3:2022, Art. 4.3	-
3.2.3	Emission of organic gaseous carbon (OGC)	EN 16510-2-3:2022, Art. 4.4	-
3.2.4	Particulate matter emissions (PM)	EN 16510-2-3:2022, Art. 4.5	-
4 Safety and accessibility in use			
4.1	Data for installation to a chimney at nominal heat output:		
4.1.1	Flue gas outlet temperature	EN 16510-2-3:2022, Art. 4.6.2	30-17685/T
4.1.2	Minimum flue draught	EN 16510-2-3:2022, Art. 4.6.4	30-17685/T
4.1.3	Flue gas mass flow	EN 16510-2-3:2022, Art. 4.6.6	30-17685/T
4.2	Data for installation to a chimney at part load heat output:		
4.2.1	Flue gas outlet temperature	EN 16510-2-3:2022, Art. 4.6.3	-
4.2.2	Minimum flue draught	EN 16510-2-3:2022, Art. 4.6.5	-
4.2.3	Flue gas mass flow	EN 16510-2-3:2022, Art. 4.6.7	-
4.3	Data for installation to a chimney regarding fire safety on safety test heat output:		
4.3.1	Fire safety of installation to the chimney	EN 16510-2-3:2022, Art. 4.6.8	30-17685/T
5 Protection against noise			

Essential characteristics		Requirement clauses in this harmonized standard	Document
-	-	-	0
6 Energy economy and heat retention			
6.1	Appliance's thermal output and energy efficiency at nominal heat output:		
6.1.1	Space heat output	EN 16510-2-3:2022, Art. 4.7.1	30-17685/T
6.1.2	Water heat output, if existing	EN 16510-2-3:2022, Art. 4.7.2	-
6.1.3	Efficiency	EN 16510-2-3:2022, Art. 4.7.3	30-17685/T
6.2	Appliance's thermal output and energy efficiency at part load heat output:		
6.2.1	Space heat output	EN 16510-2-3:2022, Art. 4.7.4	-
6.2.2	Water heat output, if existing	EN 16510-2-3:2022, Art. 4.7.5	-
6.2.3	Efficiency	EN 16510-2-3:2022, Art. 4.7.6	-
6.3	Space heating efficiency		
6.3.1	Seasonal space heating efficiency at appliance's nominal heat output	EN 16510-2-3:2022, Art. 4.7.7	30-17685/T
6.3.2	Energy efficiency	EN 16510-2-3:2022, Art. 4.7.8	30-17685/T
6.3.3	Electric power consumption at appliance's nominal heat output, if existing	EN 16510-2-3:2022, Art. 4.7.9	-
6.3.4	Electric power consumption at appliance's part load heat output, if existing	EN 16510-2-3:2022, Art. 4.7.10	-
6.3.5	Standby mode power consumption, if existing	EN 16510-2-3:2022, Art. 4.7.11	-
7 Sustainable use of natural resources			
7.1	Environmental sustainability	EN 16510-2-3:2022, Art. 4.8	*X
*Note: X Not evaluated			

IV. Conclusion

This Assessment of Performance Report attests that the performance of the above-mentioned construction product has been assessed in accordance with the harmonised standard EN 16510-2-3:2022 under AVCP system 3 with regard to the essential characteristics listed below.

Cooker for wood, type designation **ROCCO**

Essential characteristic	Performance	
Safety in case of fire		
Protection of combustible materials	Minimum distances to combustible materials, in mm	
	bottom (d _B)	0
	floor in front (d _F) *)	1500
	ceiling (d _C)	>750
	rear (d _R)	350
	side (d _S)	350
	side radiation area (d _L) *)	1500
	adjacent combustible materials (e.g. furniture) (d _P)	600
	material type and thickness of protective insulation material (s), (if any)	-
Hygiene, health and the environment		
	At nominal heat output, in mg/m ³ at 13 % O ₂	At part load heat output, in mg/m ³ at 13 % O ₂
Carbon monoxide emission (CO)	1244	-
Nitrogen oxides emissions (NO _x)	100	-
Emission of organic gaseous carbon (OGC)	76	-
Particulate matter emissions (PM)	25	-
Safety and accessibility in use		
Flue gas outlet temperature	200 °C	-
Minimum flue draught	12 Pa	-
Flue gas mass flow	9.2 g/s	-
Energy economy and heat retention		
	At nominal heat output:	At part load heat output:
Space heat output	9.9 kW	-
Water heat output, if existing	-	-
Efficiency	84.2 %	-
Seasonal space heating efficiency	74.2 %	-
Energy efficiency - index EEI		112
Energy efficiency classification (Class)		A+
Electric power consumption	-	-
Standby mode power consumption		-

*) in case limit 65 K is not superseded due to radiation on the floor in front and/or on the side walls, d_F and/or d_L can be declared 0 mm

This Assessment of Performance Report has been drawn up in accordance with the GNB Position Paper NB-CPR 23/936 and covers only the above-mentioned essential characteristic(s). It is not an exhaustive statement of the performance of the product. The manufacturer is responsible for the Declaration of Performance of the product and can declare the performance of other essential characteristics than those mentioned above.

This Assessment of Performance report is not considered a product certificate or a document to directly accompany neither the product nor the Declaration of Performance, see CPR Article 4(3).

This Assessment of Performance Report will remain applicable, under the manufacturer's responsibility, as long as neither the harmonised standard, the construction product, nor the AVCP methods are modified significantly.

V. List of the used documents

- Application dated on 2025-02-28 (ev. number B-84465 booked at SZU on 2025-03-03)
- Contract B-84465/30

- Test report 30-17685/T of 2025-03-27

- Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC
- ČSN EN 16510-1 ed. 2:2024 - Residential solid fuel burning appliances - Part 1: General requirements and test methods (Czech version of European Standard EN 16510-1 ed. 2:2022)
- ČSN EN 16510-2-3:2025 - Residential solid fuel burning appliances - Part 2-3: Cookers (Czech version of European Standard EN 16510-2-3:2022)
- Technical documentation (given at Chapter II)

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